

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of

KOIKE et al

Serial No.: 09/546,227

Filed: April 10, 2000



Atty. Ref.: 461-62

Group: 1754

Examiner: E. Johnson

#12113
4/5/2

For: A CERAMIC SUPPORT CAPABLE OF
SUPPORTING A CATALYST, A CATALYST-
CERAMIC BODY AND PROCESSES FOR
PRODUCING SAME

* * * * *

Honorable Commissioner of
Patents and Trademarks
Washington, DC 20231

Sir:

**REVOCATION, NEW POWER OF ATTORNEY
AND CHANGE OF ADDRESS**

RECEIVED
APR 03 2002
TC 1700

Assignee, the owner of an undivided one-half (1/2) interest of the above-identified patent, hereby appoints Larry S. Nixon, 25640; Arthur R. Crawford, 25327; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffry H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr. 29366; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776; Updeep S. Gill, 37334; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michelle N. Lester, 32331; Frank P. Presta, 19828; Joseph S. Presta, 35329; Joseph A. Rhoa, 37515; Raymond Y. Mah, 41426; Chris Comuntzis, 31097; Gary T. Tanigawa, 43180 of the firm of Nixon & Vanderhye P.C., 1100 North Glebe Road, 8th Floor, Arlington, VA 22201-4714, telephone (703) 816-4000, facsimile (703) 816-4100, to transact all business in the Patent and Trademark Office in connection therewith. Every attorney at law associated with that law firm is hereby authorized to sign any paper or conduct any business on its behalf. Assignee hereby revokes all powers of attorney previously granted with respect to the subject patent.

Certificate Under 37 C.F.R. §3.73(b)

DENSO Corporation, a corporation having a place of business at 1-1 Showa-cho, Kariya-city, Aichi-pref. 448-8661 Japan states that it is the assignee of the an undivided one-half (1/2) interest of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventors to the aforesaid assignee, a copy of the assignment being attached and/or recorded at the United States Patent Office on August 9, 2000 at Reel 010981, Frame 0317.

The undersigned (whose title is typed below) is empowered to sign this statement on behalf of DENSO Corporation.

All correspondence regarding the above-identified patent is to be sent to:

Larry S. Nixon
Nixon & Vanderhye P.C.
1100 North Glebe Road, 8th Floor
Arlington, VA 22201
Telephone: 703 816 4000
Facsimile: 703 816 4100

DENSO CORPORATION

By: Masashi Kamiya
Name: Masashi Kamiya
Title: General Manager
Intellectual Property Department

Date: March 29, 2002



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SEPTEMBER 26, 2000

PTAS

PILLSBURY MADISON & SUTRO LLP
TIMOTHY J KLIMA / GLENN T. BARRETT
INTELLECTUAL PROPERTY GROUP
1100 NEW YORK AVENUE, NW, NINTH FLOOR
WASHINGTON, DC 20005-3918



101430756A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/09/2000

REEL/FRAME: 010981/0317
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
KOIKE, KAZUHIKO

DOC DATE: 04/03/2000

ASSIGNOR:
NAKANISHI, TOMOHIKO

DOC DATE: 04/03/2000

ASSIGNOR:
UEDA, TAKESHI

DOC DATE: 04/03/2000

ASSIGNOR:
TANAKA, MASAKAZU

DOC DATE: 04/03/2000

ASSIGNEE:
NIPPON SOKEN, INC.
14, IWAYA, SHIMOHASUMI-CHO, NISHIO-
SHI
AICHI, JAPAN

RECEIVED
APR 03 2002
TC 1700

ASSIGNEE:

DENSO CORPORATION
1-1 SHOWA-CHO, KARIYA-CITY
AICHI-PREF. 448-8661, JAPAN

SERIAL NUMBER: 09546227

PATENT NUMBER:

FILING DATE: 04/10/2000

ISSUE DATE:

PEARLENE FOSTER, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

08-14-2000

BOX ASSIGNMENTS



101430756

DO NOT USE FOR TRADEMARKS

ET
ONLYO I P E
M A R 2 9 2 0 0 2
P A T E N T & T R A D E M A R K O F F I C ETO THE ASSISTANT COMMISSIONER OF PATENTS AND TRADEMARKS:
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

1. KAZUHIKO KOIKE
3. TAKESHI UEDA
5.
7.

2. TOMOHIKO NAKANISHI
4. MASAKAZU TANAKA
6.
8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: (1) NIPPON SOKEN, INC., and
(2) DENSO CORPORATIONADDRESS: (1) 14, Iwaya, Shimohasumi-cho, Nishio-shi., Aichi, Japan, and
(2) 1-1 Showa-cho, Kariya-City, Aichi-Pref., 448-8661, JapanADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

<input checked="" type="checkbox"/> ASSIGNMENT OF	<input checked="" type="checkbox"/> WHOLE	<input type="checkbox"/> PART INTEREST
<input type="checkbox"/> ORIGINAL	<input type="checkbox"/> FACSIMILE/PHOTOCOPY	
<input type="checkbox"/> CHANGE OF NAME	<input type="checkbox"/> VERIFIED TRANSLATION	
<input type="checkbox"/> SECURITY	<input type="checkbox"/> MERGER	<input type="checkbox"/> OTHER:

EXEC. DATE: April 3, 2000 (all)

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) April 3, 2000 (all)

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? YES NO

A. PAT. APP. NO.(S) series code/serial no	M#	1 st INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 st INVENTOR if not in item 1
09/546,227	268032				

5. Name & Address of Party to Whom Correspondence
Concerning Document Should be Mailed:

Pillsbury Madison & Sutro LLP
Intellectual Property Group
1100 New York Avenue, NW
Ninth Floor
Washington, DC 20005-3918

6. NUMBER INVOLVED:
APPLNS 1 + PATS 0 = TOTAL 17. AMOUNT OF FEE ENCLOSED: (Code 581)
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:		8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975 UNDER ORDER NO			
PMS 268032	NDNJNDG468US	11349	268032		

MATTER NO.

CLIENT REF.

dup. sheet not required

CLIENT NO.

MATTER NO.

9. STATEMENT AND SIGNATURE.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

10. Total number of pages including this
cover sheet, attachments and document
(do not file dup. Cover sheet)

2

Signature

Attorney: Timothy J Klima / Glenn T. Barrett

Reg. No. 34852 / 38705

Atty/Sec: TJK/GTB:emg

TEL: (202) 861-3662

Date: August 9, 2000

FAX: (202) 822-0944

FILE WITH PTO RETURN RECEIPT (PAT-103A)

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter "ASSIGNOR") by

(Insert
ASSIGNEE'S
Name(s)
Address(es))

1) NIPPON SOKEN, INC.

14, Iwaya, Shimohasumi-cho, Nishio-shi, Aichi, Japan

2) DENSO CORPORATION

1-1 SHOWA-CHO KARIYA-CITY AICHI-PREF. 448-8661 JAPAN

(Title of
Invention)

(hereinafter "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

A CERAMIC SUPPORT CAPABLE OF SUPPORTING A CATALYST,

A CATALYST-CERAMIC BODY AND PROCESSES FOR PRODUCING SAME

(Insert date
of execution
of application,
if not
concurrent)

relating to International Patent Application PCT/JP _____/_____ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on _____; (Cushman, Darby & Cushman, Intellectual Property
of Pillsbury Madison & Sutro LLP
(b) filed on April 10, 2000, Washington D.C.) is hereby authorized to insert in (b) the specified
Serial No. 09 /546,227; data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

1) Kazuhiko Koike Kazuhiko Koike April 3, 2000
(SIGNATURE) (TYPE NAME) (DATE)

2) Tomohiko Nakanishi Tomohiko Nakanishi April 3, 2000
(SIGNATURE) (TYPE NAME) (DATE)

3) Takeshi Ueda Takeshi Ueda April 3, 2000
(SIGNATURE) (TYPE NAME) (DATE)

4) Masakazu Tanaka Masakazu Tanaka April 3, 2000
(SIGNATURE) (TYPE NAME) (DATE)

5) _____ (SIGNATURE) (TYPE NAME) (DATE)

6) _____

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



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Atty. Ref.: 461-62

Serial No.: 09/546,227

Group: 1754

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* * * * *

Honorable Commissioner of
Patents and Trademarks
Washington, DC 20231

RECEIVED
APR 03 2002
TC 1700

Sir:

**REVOCATION, NEW POWER OF ATTORNEY
AND CHANGE OF ADDRESS**

Assignee, the owner of an undivided one-half (1/2) interest of the above-identified patent, hereby appoints Larry S. Nixon, 25640; Arthur R. Crawford, 25327; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffry H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr. 29366; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776; Updeep S. Gill, 37334; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michelle N. Lester, 32331; Frank P. Presta, 19828; Joseph S. Presta, 35329; Joseph A. Rhoa, 37515; Raymond Y. Mah, 41426; Chris Comuntzis, 31097; Gary T. Tanigawa, 43180 of the firm of Nixon & Vanderhye P.C., 1100 North Glebe Road, 8th Floor, Arlington, VA 22201-4714, telephone (703) 816-4000, facsimile (703) 816-4100, to transact all business in the Patent and Trademark Office in connection therewith. Every attorney at law associated with that law firm is hereby authorized to sign any paper or conduct any business on its behalf. Assignee hereby revokes all powers of attorney previously granted with respect to the subject patent.

Certificate Under 37 C.F.R. §3.73(b)

Nippon Soken, Inc., a corporation having a place of business at 14, Iwaya, Shimohasumi-cho, Nishio-shi, Aichi, Japan states that it is the assignee of the an undivided one-half (1/2) interest of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventors to the aforesaid assignee, a copy of the assignment being attached and/or recorded at the United States Patent Office on August 9, 2000 at Reel 010981, Frame 0317.

The undersigned (whose title is typed below) is empowered to sign this statement on behalf of Nippon Soken, Inc.

All correspondence regarding the above-identified patent is to be sent to:

Larry S. Nixon
Nixon & Vanderhye P.C.
1100 North Glebe Road, 8th Floor
Arlington, VA 22201
Telephone: 703 816 4000
Facsimile: 703 816 4100

Nippon Soken, Inc.

By: Hideaki Sasaya
Name: Hideaki Sasaya
Title: Executive Senior Managing Director

Date: March 28 2002



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SEPTEMBER 26, 2000

PTAS

PILLSBURY MADISON & SUTRO LLP
TIMOTHY J KLIMA / GLENN T. BARRETT
INTELLECTUAL PROPERTY GROUP
1100 NEW YORK AVENUE, NW, NINTH FLOOR
WASHINGTON, DC 20005-3918



101430756A



UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/09/2000

REEL/FRAME: 010981/0317
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR: KOIKE, KAZUHIKO DOC DATE: 04/03/2000

ASSIGNOR: NAKANISHI, TOMOHIKO DOC DATE: 04/03/2000

ASSIGNOR: UEDA, TAKESHI DOC DATE: 04/03/2000

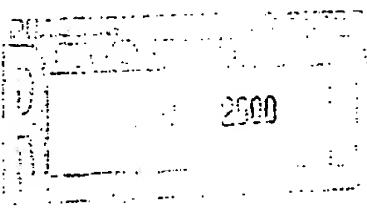
ASSIGNOR: TANAKA, MASAKAZU DOC DATE: 04/03/2000

ASSIGNEE:
NIPPON SOKEN, INC.
14, IWAYA, SHIMOHASUMI-CHO, NISHIO-
SHI
AICHI, JAPAN

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APR 03 2002

IU 1700



ASSIGNEE:

DENSO CORPORATION
1-1 SHOWA-CHO, KARIYA-CITY
AICHI-PREF. 448-8661, JAPAN

SERIAL NUMBER: 09546227
PATENT NUMBER:

FILING DATE: 04/10/2000
ISSUE DATE:

PEARLENE FOSTER, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

- BOX ASSIGNMENTS

ET
ONLY

101430756

TO THE ASSISTANT COMMISSIONER OF PATENTS AND TRADEMARKS:
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

1. KAZUHIKO KOIKE
3. TAKESHI UEDA
5.
7.

2. TOMOHIKO NAKANISHI
4. MASAKAZU TANAKA
6.
8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: (1) NIPPON SOKEN, INC., and
(2) DENSO CORPORATION

ADDRESS: (1) 14, Iwaya, Shimohasumi-cho, Nishio-shi., Aichi, Japan, and
(2) 1-1 Showa-cho, Kariya-City, Aichi-Pref., 448-8661, Japan

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

ASSIGNMENT OF WHOLE PART INTEREST
 ORIGINAL FACSIMILE/PHOTOCOPY
 CHANGE OF NAME VERIFIED TRANSLATION
 SECURITY MERGER OTHER:

EXEC. DATE: April 3, 2000 (all)

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) April 3, 2000 (all)

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? YES NO

A. PAT. APP. NO.(S) series code/serial no	M#	1 st INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 st INVENTOR if not in item 1
09/546,227	268032				

5. Name & Address of Party to Whom Correspondence
Concerning Document Should be Mailed:

Pillsbury Madison & Sutro LLP
Intellectual Property Group
1100 New York Avenue, NW
Ninth Floor
Washington, DC 20005-3918

6. NUMBER INVOLVED:
APPLNS 1 + PATS 0 = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

PMS 268032	NDNJNDG468US	8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975 UNDER ORDER NO	11349	268032
MATTER NO.	CLIENT REF.	dup. sheet not required	CLIENT NO.	MATTER NO.

9. STATEMENT AND SIGNATURE.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Signature

Attorney: Timothy J Klima / Glenn T. Barrett

Reg. No. 34852 / 38705

Atty/Sec: TJK/GTB:emg TEL: (202) 861-3662

10. Total number of pages including this
cover sheet, attachments and document
(do not file dup. Cover sheet)

2

FILE WITH PTO RETURN RECEIPT (PAT-103A)

SAC-5631-08
NO. NT-7462-15

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter "ASSIGNOR") by

(Insert
ASSIGNEE's
Name(s)
Address(es))

1) NIPPON SOKEN, INC.

14, Iwaya, Shimohasumi-cho, Nishio-shi, Aichi, Japan

2) DENSO CORPORATION

1-1 SHOWA-CHO KARIYA-CITY AICHI-PREF. 448-8661 JAPAN

(Title of
Invention)

(hereinafter "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

A CERAMIC SUPPORT CAPABLE OF SUPPORTING A CATALYST,

A CATALYST-CERAMIC BODY AND PROCESSES FOR PRODUCING SAME

(Insert date
of execution
of application,
if not
concurrent)

relating to International Patent Application PCT/JP _____/_____ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on _____ : Cushman, Darby & Cushman, Intellectual Property
of Pillsbury Madison & Sutro LLP
(b) filed on April 10, 2000 at Washington D.C. is hereby authorized to insert in (b) the specified
Serial No. 09/546,227 data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

1) Kazuhiko Koike Kazuhiko Koike April 3, 2000
(SIGNATURE) (TYPE NAME) (DATE)

2) Tomohiko Nakanishi Tomohiko Nakanishi April 3, 2000
(SIGNATURE) (TYPE NAME) (DATE)

3) Takeshi Ueda Takeshi Ueda April 3, 2000
(SIGNATURE) (TYPE NAME) (DATE)

4) Masakazu Tanaka Masakazu Tanaka April 3, 2000
(SIGNATURE) (TYPE NAME) (DATE)

5) _____ (TYPE NAME) (DATE)

6) _____ (TYPE NAME) (DATE)